

Quiz Distance Formula, Midpoint Formula, 6.1, 6.2

-Find the distance using the distance formula; the slope using the slope formula (the two formulas) and the midpoint using the midpoint formula. Show all steps.

(two slope formulas: $\frac{\text{rise}}{\text{run}}$ and $\frac{y_2 - y_1}{x_2 - x_1}$)

-given a sketch of a line, say if the slope is negative, positive undefined, or zero (the line might rise to the right; rise to the left; be vertical; be horizontal)

-find the distance between two points on a horizontal or vertical line by counting the units

-given the equation of a line, find the slope of a line perpendicular to it or parallel to it

-say how you know if two lines are parallel (same slopes) or perpendicular (slopes are negative reciprocals)

-given coordinates of an endpoint and a midpoint, give the coordinates of the other endpoint

-given a picture of a roof, find the pitch (the slope)

-given a real world graph, find the slope, say what the slope represents, and use the slope to find other info (like p. 338 ex 4)